

ABSTRACT OF THE DISCLOSURE

BaTiO₃ - PbTiO₃ series single crystal is single-crystallized by heating BaTiO₃ - PbTiO₃ compact powder member or sintered member having a smaller Pb-
5 containing mol number than Ba-containing mol number, while keeping the powder or substance in non-molten condition. In this way, this single crystal can be manufactured at a crystal growing speed faster still and stabilized more, significantly contributing to
10 improving the dielectric loss and electromechanical coupling coefficient for the provision of excellent BaTiO₃ - PbTiO₃ series single crystal in various properties, as well as for the provision of piezoelectric material having a small ratio of lead
15 content, which is particularly excellent in piezoelectric property and productivity.